Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	06/03/2016 11:24 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2016 10:14 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124474	-1	3.44	124323	3.46
Blue	F	SSC	125000	123389	-2	6.00	124471	5.92
Blue	E	FITC	17316	16542	-5	4.17	933	9.75
Blue	D	PE	22501	21837	-3	3.91	982	8.87
Blue	B	PerCP-Cy5-5	67647	67618	-1	4.31	1776	13.74
Blue	A	PE-Cy7	80682	79843	-2	5.17	1050	25.26
Red	C	APC	64263	63791	-1	2.67	3590	8.32
Red	A	APC-Cy7	96129	94329	-2	2.71	1870	8.03
Violet	B	V450	11714	11225	-5	3.74	699	8.11
Violet	A	V500	48394	47167	-3	3.39	2672	6.05

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19450	4.74	596	7	N/A	N/A	Pass
Blue	F	SSC	61345	4.99	520	6	N/A	N/A	Pass
Blue	E	FITC	100	38.51	518	-2	0.0245	254	Pass
Blue	D	PE	202	25.83	514	0	0.1746	174	Pass
Blue	B	PerCP-Cy5-5	215	40.43	609	2	0.0109	10	Pass
Blue	A	PE-Cy7	75	102.25	665	2	0.0146	12	Pass
Red	C	APC	335	26.64	585	0	0.0202	0	Pass
Red	A	APC-Cy7	118	38.49	564	-1	0.0047	818	Pass
Violet	B	V450	74	40.73	457	1	0.0464	1656	Pass
Violet	A	V500	174	21.48	489	2	0.0133	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.34	-31.16	0.81
Blue	20.34	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.31
Red	16.18	13.28 - 19.92	N/A	N/A	31.59	31.80	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9595

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments